

a) What is claimed is:

1. Process for injection molding of injection molded parts from plasticizable material, including injecting into an injection mold (2) a first plasticized material which hardens on the edge of the mold, and subsequently injecting into the injection mold (2) a second plasticized material which differs from the first one, characterized in that only the second plasticized material is moved during solidification.

1. 2. Process according to claim 1, characterized in that the second plasticized material is moved in only one direction.

1. 3. Process according to one of the preceding claims, characterized in that the movement is generated through ultrasound.

1. 4. Process according to one of the preceding claims, characterized in that an electromagnetic field acts upon the second plasticized material.

1. 5. Process according to one of the preceding claims, characterized in that the movement is generated by a melt pump.

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- 1 6. Process according to one of the preceding claims, characterized in that the
- 2 second plasticized material is injected from two locations, at least partially at
- 3 a same time, into the injection mold (2).

- 1 7. Process according to one of the preceding claims, characterized in that a
- 2 sheet or a reinforcement fabric is placed before or after injection of the
- 3 plasticized material into the injection mold (2).

- 1 8. Process according to one of the preceding claims, characterized in that the
- 2 first material covers only a portion of the wall surface of the injection mold.

- 1 9. Process according to one of the preceding claims, characterized in that after
- 2 partial filling of the injection mold (2) with the first material, a further region
- 3 of the injection mold is opened by means of a slide gate for subsequent
- 4 filling with the second material.

- 1 10. Process according to one of the preceding claims, characterized in that at
- 2 least a further plasticized material is injected before injection of the first
- 3 plasticized material.

1 11. Adjustment nozzle for an injection molding device, characterized by two
2 interconnected outlets (30, 31; 30', 31') which are each provided with a check
3 valve (25, 25'; 26, 26'), with the check valves (25, 25'; 26, 26') operating in
4 opposite directions.

1 12. Adjustment nozzle for an injection molding device, characterized in that the
2 adjustment nozzle (20) bears upon a surface (24) and is secured by a flange.

1 13. Injection molding device according to claim 12, characterized in that the
2 adjustment nozzle (31) has various channels (34, 35) and is movably guided
3 in a block (30), so that one channel (34, 35) of the adjustment nozzle (31) is
4 in alignment with a channel (32) in the block (30).

1 14. Injection molding device according to one of the claims 11 to 13,
2 characterized in that the injection mold (2) is tempered with a metal alloy of
3 low melting point.

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